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(WO/2004/064624) A RETRACTOR FOR OPERATIONS ON THE ARTERIA HAEMORROIDALIS

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Latest bibliographic data on file with the International Bureau

Publication No.: WO/2004/064624

International Application No.: PCT/EP2003/00543

Publication Date: 05.08.2004

International Filing Date: 21.01.2003

Int. Class.: A61B 1/31, A61B 8/06

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Title: A RETRACTOR FOR OPERATIONS ON THE ARTERIA HAEMORROIDALIS

Abstract: The invention describes a disposable device for operations on the arteria haemorrhoidalis, which comprises a retractor tube (1), closed and rounded on the end (101) which is inserted in the anal cavity, and open and diverging on the external end (201) to which is connected a gripping handle (M) which removably houses a luminous source (F). In the connection zone of the handle to the external mouth of the retractor there is provided a channel (C) which contains a parabola (5) which reflects the light supplied from said luminous source (F) and which sends the reflected light inside of the same retractor, to illuminate a lateral window (8) through which appears the rectal mucosa upon which the operation must be made for the ligation of the arteria haemorrhoidalis. The haematic flow of the arteria haemorrhoidalis and the same artery are detected with precision by means of an ultrasonic probe removably housed in a longitudinal chamber (10) provided at the interior of the retractor tube, aligned to said window (201) of the same retractor and also provided with a lateral opening (7) to allow to touch the anal mucosa. The probe is preferably protected in a thin, disposable sterilised sheath, to allow the hygienical re-utilization of the same probe.

Designated States: AE, AG, AM, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CN, CO, CR, CU, CZ, DM, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, MA, MC, NZ, OM, PH, PL, RU, SC, SD, SG, SK, SL, TJ, TM, TN, TT, TZ, UA, UG, US, ZW.
African Regional Intellectual Property Org. (ARIPO) (GH, GM, KE, LS, MW, NI, ZW)
Eurasian Patent Organization (EAPO) (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM)
African Intellectual Property Organization (OAPI) (BF, BJ, CF, CG, CI, CM, G, NE, SN, TD, TG).

Publication Language: English (EN)

Filing Language: English (EN)

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